

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P479693

Luminaire Tested: **IFLD-S-SA6B-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479693
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

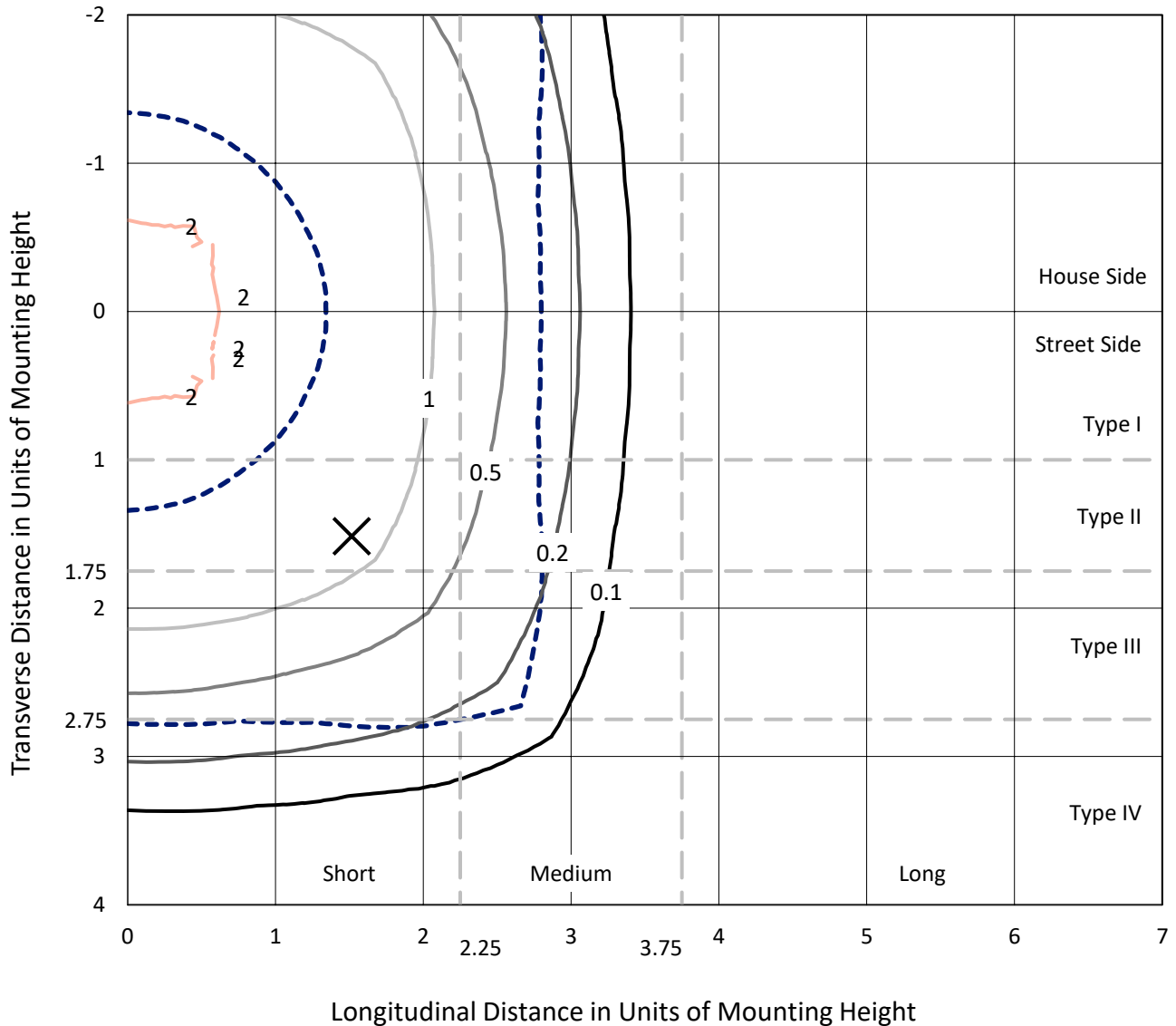
Lumens per Lamp: N/A
Luminaire Lumens: 33784.6 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

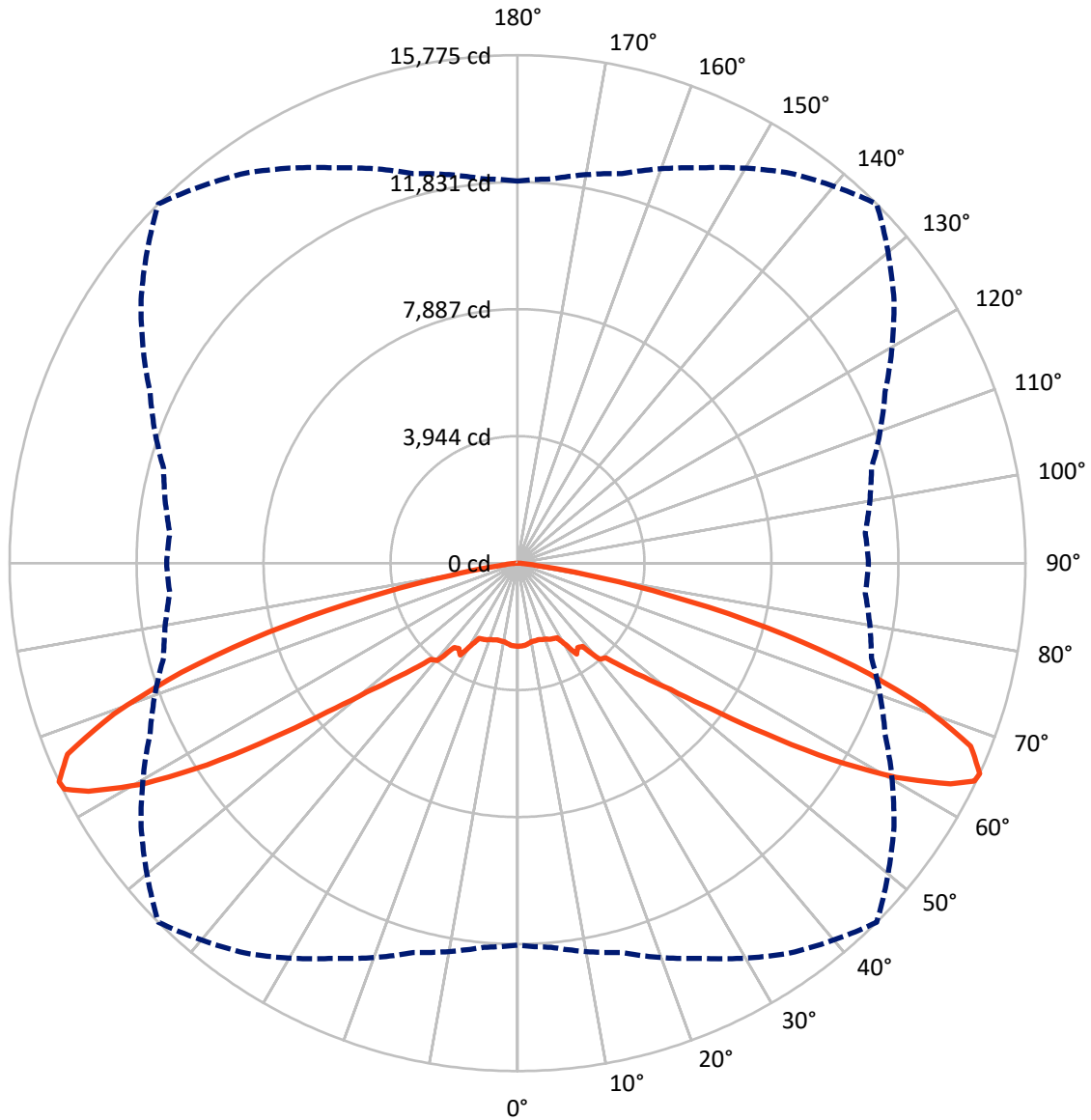
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16892.3	0.0	16892.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16892.3	0.0	16892.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	33784.6	0.0	33784.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	0.7
10°-20°	712.0	2.1
20°-30°	1232.5	3.6
30°-40°	2049.4	6.1
40°-50°	3697.4	10.9
50°-60°	8236.6	24.4
60°-70°	12275.3	36.3
70°-80°	5087.0	15.1
80°-90°	251.9	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	33784.6	100.0
0°-180°	33784.6	100.0

Coefficient of Utilization



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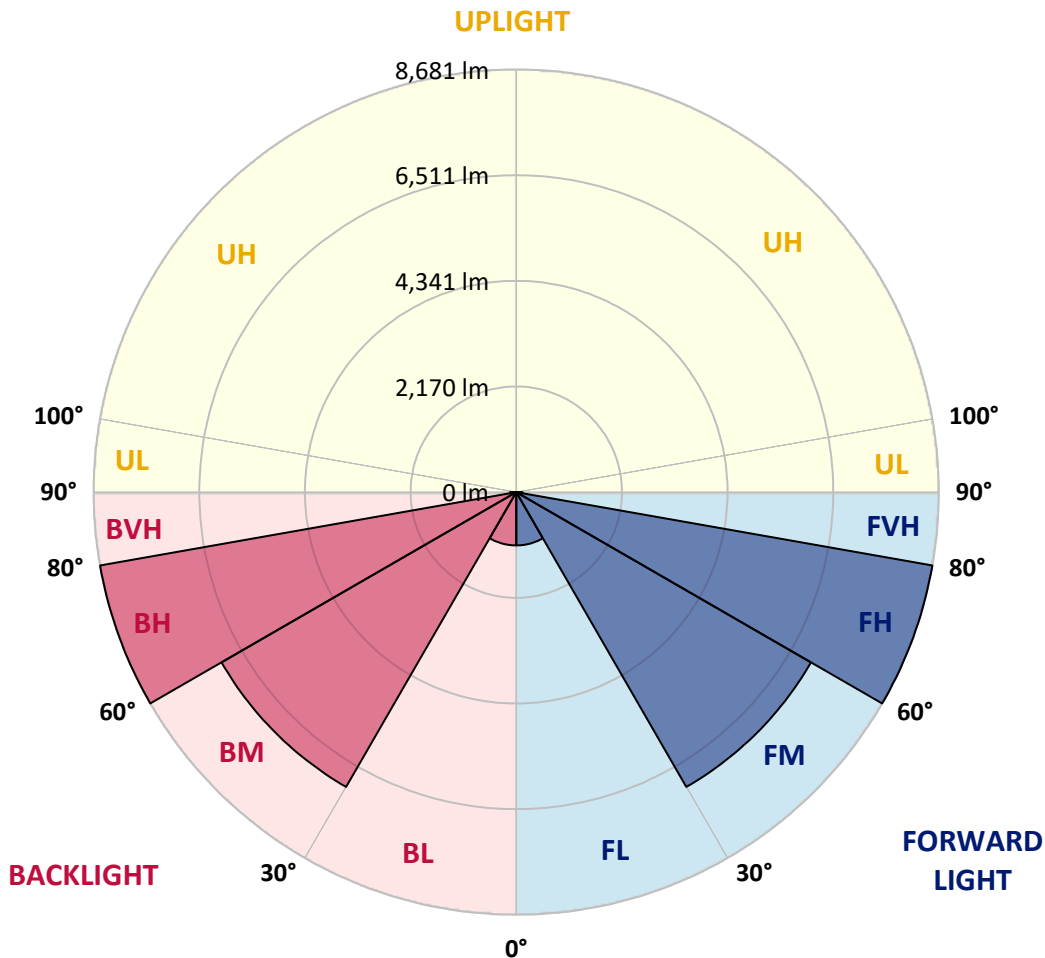
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1093.5	3.2			
FM (30°-60°)	6991.7	20.7			
FH (60°-80°)	8681.1	25.7			G4/12000
FVH (80°-90°)	126.0	0.4			G2/225
BL (0°-30°)	1093.5	3.2	B3/2500		
BM (30°-60°)	6991.7	20.7	B4/8500		
BH (60°-80°)	8681.1	25.7	B5		G4/12000
BVH (80°-90°)	126.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0
2.5°	2553.2	2560.6	2556.9	2556.9	2568.1	2575.6	2579.3	2616.6	2601.7	2612.9	2601.7
5°	2560.6	2560.6	2568.1	2560.6	2568.1	2560.6	2568.1	2556.9	2568.1	2575.6	2586.8
7.5°	2545.7	2538.2	2527.1	2527.1	2523.3	2515.9	2504.7	2534.5	2519.6	2530.8	2549.4
10°	2549.4	2538.2	2500.9	2508.4	2474.8	2474.8	2482.3	2482.3	2515.9	2553.2	2564.4
12.5°	2549.4	2527.1	2515.9	2467.3	2467.3	2471.1	2489.7	2497.2	2519.6	2534.5	2571.8
15°	2549.4	2538.2	2519.6	2456.1	2471.1	2463.6	2482.3	2482.3	2530.8	2556.9	2575.6
17.5°	2564.4	2571.8	2538.2	2478.5	2482.3	2497.2	2486.0	2497.2	2556.9	2575.6	2601.7
20°	2568.1	2538.2	2527.1	2489.7	2523.3	2515.9	2512.1	2534.5	2553.2	2586.8	2616.6
22.5°	2560.6	2571.8	2527.1	2523.3	2553.2	2568.1	2575.6	2549.4	2571.8	2594.2	2620.4
25°	2624.1	2583.0	2571.8	2564.4	2579.3	2594.2	2586.8	2609.2	2609.2	2635.3	2668.9
27.5°	2795.8	2799.5	2777.1	2687.6	2657.7	2624.1	2639.0	2698.8	2769.7	2825.7	2836.9
30°	2874.2	2889.1	2948.8	2933.9	2922.7	2933.9	2930.2	2945.1	2952.6	2956.3	2945.1
32.5°	2945.1	2937.7	2911.5	2978.7	3198.9	3366.9	3206.4	2986.2	2937.7	2922.7	2937.7
35°	3202.7	3202.7	3146.7	3060.8	3176.5	3217.6	3143.0	3038.4	3098.2	3221.3	3228.8
37.5°	3534.9	3486.4	3508.8	3497.6	3370.6	3281.1	3411.7	3478.9	3490.1	3486.4	3523.7
40°	3732.7	3699.1	3665.5	3725.3	3841.0	3923.1	3807.4	3646.9	3687.9	3770.0	3736.5
42.5°	4184.4	4098.5	4106.0	4046.3	4042.5	4016.4	3990.3	4001.5	4061.2	4154.5	4169.4
45°	4647.2	4688.3	4662.2	4550.2	4602.4	4602.4	4527.8	4583.8	4613.6	4721.9	4736.8
47.5°	5371.4	5352.7	5363.9	5263.1	5259.4	5285.5	5259.4	5263.1	5356.5	5349.0	5307.9
50°	6218.7	6271.0	6285.9	6237.4	6177.7	6166.5	6125.4	6177.7	6233.6	6237.4	6203.8
52.5°	7390.8	7446.8	7446.8	7461.7	7536.4	7499.0	7491.6	7495.3	7387.1	7312.4	7349.7
55°	8868.9	8887.6	8951.1	9081.7	9309.4	9339.3	9197.4	9134.0	8936.1	8816.7	8910.0
57.5°	10328.4	10403.1	10578.5	10918.2	11198.2	11504.2	11093.6	10675.6	10287.4	10097.0	10130.6
60°	11541.6	11649.8	11985.8	12459.8	13236.2	13516.2	12821.9	12105.2	11317.6	10735.3	10970.5
62.5°	12112.7	12280.6	12564.3	13523.6	14688.3	15091.4	14072.4	12769.6	11575.2	11015.3	11004.1
64°	12116.4	12142.5	12709.9	13743.9	14942.1	15722.2	14374.7	12769.6	11638.6	10948.1	11075.0
65°	11866.3	11974.6	12523.3	13542.3	14781.6	15774.5	14270.2	12594.2	11377.3	10839.8	10899.5
67.5°	10731.6	10727.8	11235.5	12247.1	13967.8	15181.0	13381.8	11612.5	10731.6	10149.3	10220.2
70°	8141.1	8271.7	8757.0	10000.0	12086.5	13385.5	11702.1	9869.3	8771.9	8305.3	8279.2
72.5°	4871.2	5042.9	5662.5	7178.0	9387.8	10966.7	9287.0	7301.2	5979.8	5240.7	5259.4
75°	2221.0	2347.9	2773.4	4008.9	6256.0	8017.9	6293.4	4221.7	3027.2	2556.9	2489.7
77.5°	623.4	701.8	936.9	1840.2	3434.1	4807.7	3531.2	2034.3	1321.4	1097.4	1075.0
80°	280.0	294.9	332.2	447.9	1090.0	2120.2	1459.5	746.5	496.5	410.6	391.9
82.5°	153.0	164.2	216.5	231.4	309.8	563.6	481.5	350.9	298.6	238.9	231.4
85°	85.9	89.6	123.2	123.2	149.3	164.2	175.4	186.6	182.9	134.4	130.6
87.5°	26.1	29.9	37.3	37.3	37.3	37.3	59.7	82.1	89.6	63.5	63.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)